

## SHEET-SHAPED VARIABLE RESISTOR

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### Abstract

PURPOSE: To eliminate dispersion in output voltage from every sheet-shaped resistor member by constituting a resistor with specified sheet-shaped resistor members and a film-shaped conductor member, pushing the resistor, and conducting only a conductor part at the pushed part.

CONSTITUTION: A plurality of arranged conductor parts 181-185 are connected through a film-shaped resistor 17. The conductor part 181 at one end is connected to a first outer connecting terminal 151. The conductor part 185 at the other end is connected to a second outer connecting terminal 152. Thus, a sheet-shaped resistor member 15 is provided. A film-shaped conductor member 11 is arranged so as to face said sheet-shaped resistor member 15 with a specified gap being held. One end of the member 11 is connected to a third outer connecting terminal 111. When this resistor device is pushed from the outside, only the conductor part at the pushed part is conducted. For example, in said sheet-shaped resistor member 15, the film-shaped resistor 17 comprising carbon paste and the like is bonded on a base 16 comprising a plastic film, and the conductor parts 181-185 are baked at an equal interval.

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